

CATERPILLAR EL180

4EF / XEBP9902

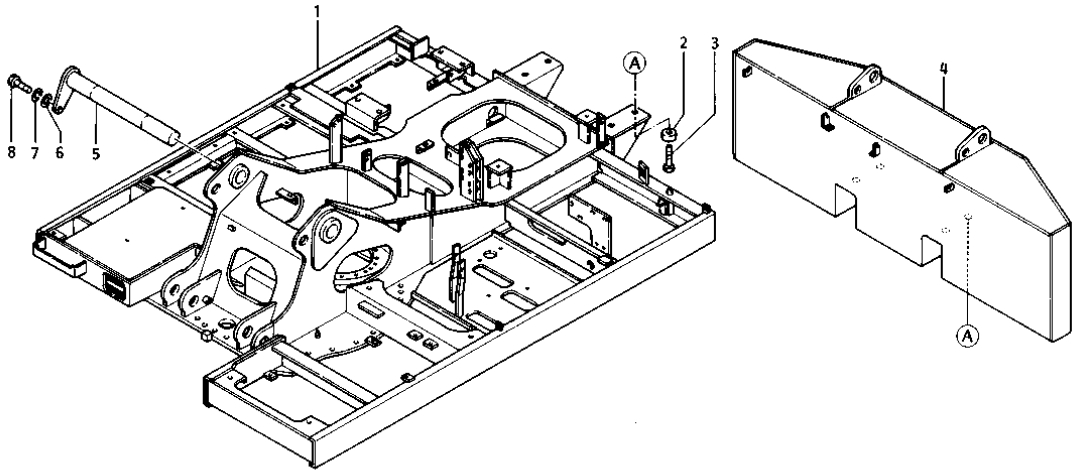
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SWING FRAME AND COUNTER WEIGHT

SWING FRAME AND COUNTER WEIGHT (For 51ft-long reach front) An Attachment

Drawing 1 of 1



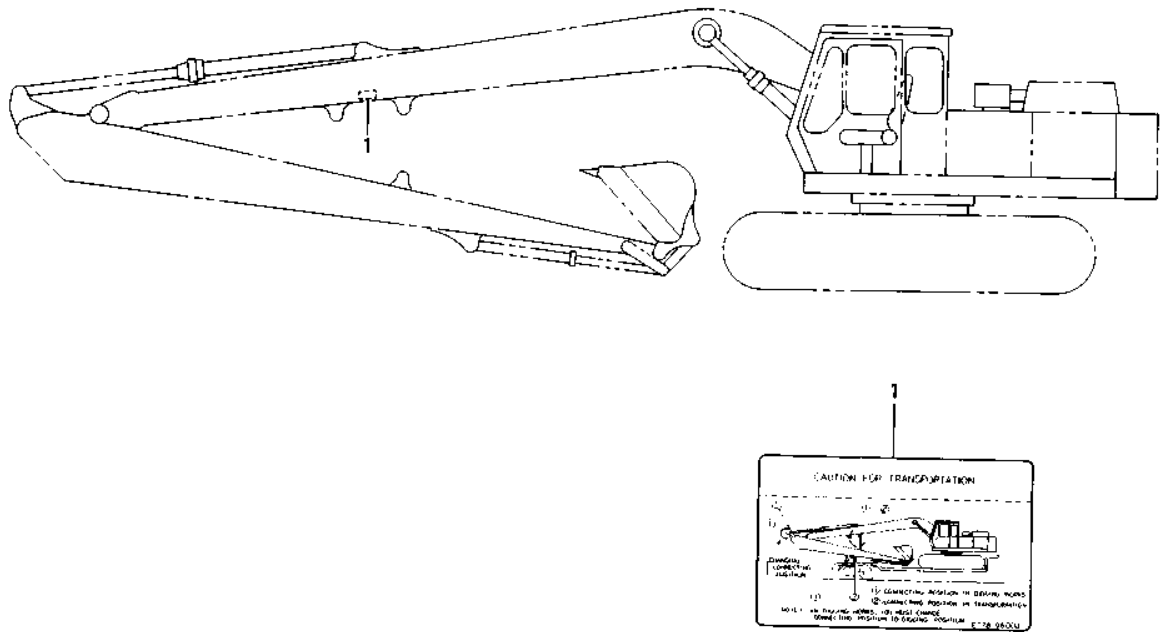
Key No.	Part No.	Part Name-Description	Q'ty	Serial No.	
				E180-1RF	EL180-4EF
1	EA7100500	SWING FRAME	1		
2	960678	SPACER	4		
3	A01104811	BOLT	4		
4	EA7200801	COUNTER WEIGHT	1		
5	942094	PIN, SUPPORT	1		
6	930349	WASHER	1		
7	950821	WASHER, SPRING	1		
8	950554	BOLT	1		

Ref.	Part number	Description	Qty	Code	Group page
1	EA710-0500	SWING FRAME	1		
2	096-0678	SPACER	4		
3	A0110-4811	BOLT	4		
4	EA720-0801	COUNTER WEIGHT	1		
5	094-2094	PIN, SUPPORT	1		
6	093-0349	WASHER	1		
7	095-0821	WASHER, SPRING	1		
8	095-0554	BOLT	1		

NAME PLATE AND LABEL (BODY)

NAME PLATE AND LABEL (Body) (For 43ft-long reach front For 51ft-long reach front) An Attachment

Drawing 1 of 1

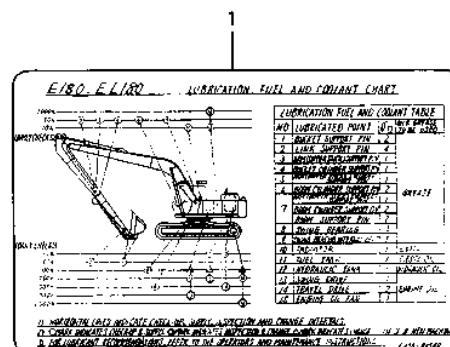


Key No.	Part No.	Part Name・Description	Q'ty	Serial No.	
				E180-1RF	EL180-4EF
1	E77806000	LABEL, TRANSPORT	1		

Ref.	Part number	Description	Qty	Code	Group page
1	E7780-6000	LABEL, TRANSPORT	1		

NAME PLATE AND LABEL (Cab) (For 43ft-long reach front For 51ft-long reach front) An Attachment

A line drawing of a small, box-like structure, possibly a vehicle or a container. It has a rectangular body with a slightly slanted front. On the right side, there is a door with a handle and a lock mechanism. The drawing is simple, using only outlines to define the shape and components.



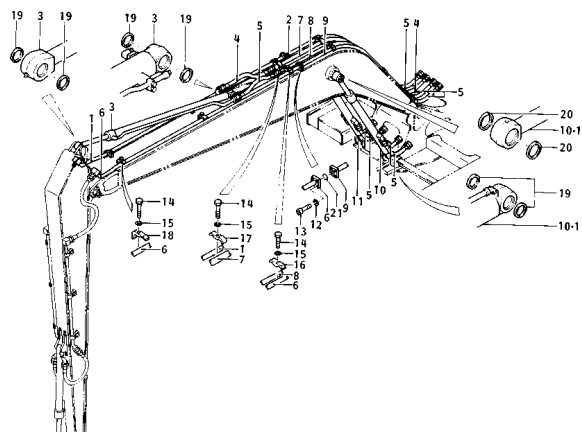
Key No.	Part No.	Part Name-Description	Q'ty	Serial No.	
				E180-1RF	E180-4EF
1	EA78D480†	LABEL, LUBRICATION CHART	1		

Ref.	Part number	Description	Qty	Code	Group page
1	EA780-4801	LABEL, LUBRICATION CHART	1		

FRONT LINES

FRONT LINES (For 43ft-long reach front) An Attachment

Drawing 1 of 1



Key No.	Part No.	Part Name-Description	Q'ty	Serial No.	
				E180-18F	EL180-4EF
1	E75593900	PIPE, SUPPLY	1		
2	E75594100	PIPE, SUPPLY	1		
3	941929	ARM CYLINDER FORM XEBP9934 See Page 5-42	1		
4	930730	HOSE, FLEXIBLE	2		
5	930696	HOSE, FLEXIBLE	8		
6	E75593800	PIPE, SUPPLY	1		
7	E75593600	PIPE, SUPPLY	1		
8	E75593700	PIPE, SUPPLY	1		
9	E75594000	PIPE, SUPPLY	1		
10	941911	BOOM CYLINDER, L. H. FORM XEBP9934 See Page 5-40	1		
11	941926	BOOM CYLINDER, R. H.	1		
12	950816	WASHER, SPRING	8		
13	951126	BOLT, HEXAGON SOCKET	8		
14	950508	BOLT	12		
15	950817	WASHER, SPRING	12		
16	931295	CLAMP	4		
17	941420	CLAMP	4		
18	931292	CLAMP	4		
19	931378	SEAL, DUST	8		
20	931380	SEAL, DUST	4		
21	951595	O-RING	2		

Ref.	Part number	Description	Qty	Code	Group page
1	E7559-3900	PIPE, SUPPLY	1		
2	E7559-4100	PIPE, SUPPLY	1		
3	094-1929	ARM CYLINDER	1		
4	093-0730	HOSE, FLEXIBLE	2		
5	093-0696	HOSE, FLEXIBLE	8		
6	E7559-3800	PIPE, SUPPLY	1		
7	E7559-3600	PIPE, SUPPLY	1		
8	E7559-3700	PIPE, SUPPLY	1		
9	E7559-4000	PIPE, SUPPLY	1		
10	094-1911	BOOM CYLINDER, L. H.	1		
11	094-1926	BOOM CYLINDER, R. H.	1		
12	095-0816	WASHER, SPRING	8		
13	095-1126	BOLT, HEXAGON SOCKET	8		
14	095-0508	BOLT	12		
15	095-0817	WASHER, SPRING	12		

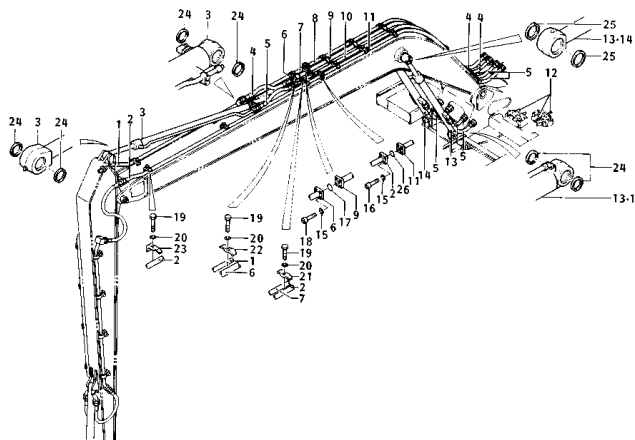
FRONT LINES (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	093-1295	CLAMP	4		
17	094-1420	CLAMP	4		
18	093-1292	CLAMP	4		
19	093-1378	SEAL, DUST	8		
20	093-1380	SEAL, DUST	4		
21	095-1595	O-RING	2		

FRONT LINES

FRONT LINES (For 51ft-long reach front) - Part 1 of 2 An Attachment

Drawing 1 of 1



Key No.	Part No.	Part Name-Description	Q'ty	Serial No.	
				E180-1RF	EL180-4EF
1	E75591900	PIPE, SUPPLY	1		
2	E75592100	PIPE, SUPPLY	1		
3	941929	ARM CYLINDER FORM XEBP9834 See Page 5-42	1		
4	930730	HOSE, FLEXIBLE	3		
5	930696	HOSE, FLEXIBLE	7		
6	E75591500	PIPE, SUPPLY	1		
7	E75591700	PIPE, SUPPLY	1		
8	FA5570100	PIPE, SUPPLY	1		
9	E75591400	PIPE, SUPPLY	1		
10	E75591600	PIPE, SUPPLY	1		
11	E75592000	PIPE, SUPPLY	1		
12	941593	VALVE, RELIEF FORM XEBP9834 See Page 4-43	3		
13	941911	BOOM CYLINDER, L. H. FORM XEBP9834 See Page 5-43	1		
14	941926	BOOM CYLINDER, R. H. FORM XEBP9834 See Page 5-43	1		
15	950816	WASHER, SPRING	16		
16	951122	BOLT, HEXAGON SOCKET	12		
17	951603	O-RING	1		
18	951123	BOLT, HEXAGON SOCKET	4		
19	950508	BOLT	18		
20	950817	WASHER, SPRING	18		

Ref.	Part number	Description	Qty	Code	Group page
1	E7559-1900	PIPE, SUPPLY	1		
2	E7559-2100	PIPE, SUPPLY	1		
3	094-1929	ARM CYLINDER	1		
4	093-0730	HOSE, FLEXIBLE	3		
5	093-0696	HOSE, FLEXIBLE	7		
6	E7559-1500	PIPE, SUPPLY	1		
7	E7559-1700	PIPE, SUPPLY	1		
8	FA557-0100	PIPE, SUPPLY	1		
9	E7559-1400	PIPE, SUPPLY	1		
10	E7559-1600	PIPE, SUPPLY	1		
11	E7559-2000	PIPE, SUPPLY	1		
12	094-1593	VALVE, RELIEF	3		
13	094-1911	BOOM CYLINDER, L. H.	1		
14	094-1926	BOOM CYLINDER, R. H.	1		
15	095-0816	WASHER, SPRING	16		

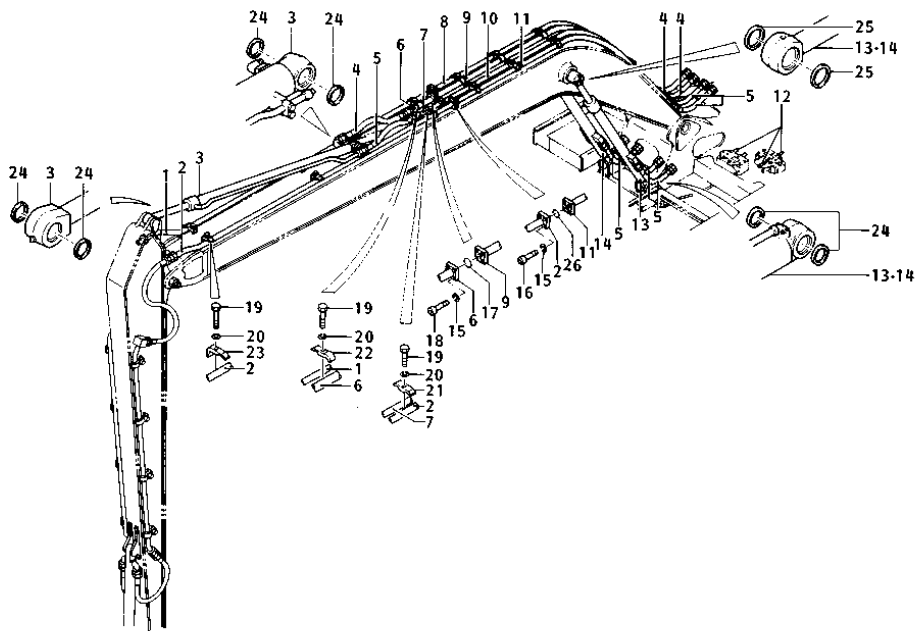
FRONT LINES (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	095-1122	BOLT, HEXAGON SOCKET	12		
17	095-1603	O-RING	1		
18	095-1123	BOLT, HEXAGON SOCKET	4		
19	095-0508	BOLT	18		
20	095-0817	WASHER, SPRING	18		

FRONT LINES

FRONT LINES (For 51ft-long reach front) - Part 2 of 2 An Attachment

Drawing 1 of 1



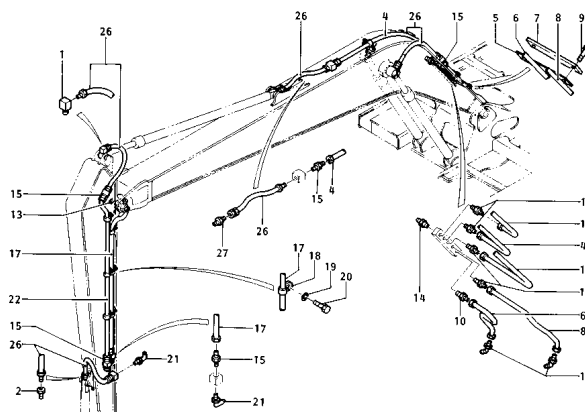
Key No.	Part No.	Part Name-Description	Q'ty	Serial No.	
				E180-1RF	EL180-4EF
21	931295	CLAMP	6		
22	941420	CLAMP	6		
23	931292	CLAMP	6		
24	931378	SEAL, DUST	8		
25	931380	SEAL, DUST	4		
26	951595	O-RING	3		

Ref.	Part number	Description	Qty	Code	Group page
21	093-1295	CLAMP	6		
22	094-1420	CLAMP	6		
23	093-1292	CLAMP	6		
24	093-1378	SEAL, DUST	8		
25	093-1380	SEAL, DUST	4		
26	095-1595	O-RING	3		

FRONT LUBRICATION LINES

FRONT LUBRICATION LINES (For 43ft-long reach front) An Attachment

Drawing 1 of 1



Key No.	Part No.	Part Name-Description	Q'ty	Serial No.	
				E180-18F	EL180-4EF
1	944389	ELBOW	1		
2	952886	CONNECTOR	1		
4	E75632300	PIPE	1		
5	942051	RUBBER	2		
6	942050	PIPE	1		
7	961373	SUPPORT	2		
8	942049	PIPE	1		
9	950503	BOLT	4		
10	930629	CONNECTOR	5		
11	942048	PIPE	1		
12	942047	PIPE	1		
13	930631	90° ELBOW	3		
14	950948	NIPPLE, GREASE	5		
15	930630	CONNECTOR	6		
17	E75632500	PIPE	1		
18	950910	CLIP	7		
19	950814	WASHER, SPRING	7		
20	950458	BOLT	7		
21	950950	NIPPLE, GREASE	3		
22	E75632400	PIPE	1		
26-27	939581	FLEXIBLE HOSE	5		
26	939582	HOSE, FLEXIBLE	5		
27	939583	CONNECTOR	5		

Ref.	Part number	Description	Qty	Code	Group page
1	094-4389	ELBOW	1		
2	095-2886	CONNECTOR	1		
4	E7563-2300	PIPE	1		
5	094-2051	RUBBER	2		
6	094-2050	PIPE	1		
7	096-1373	SUPPORT	2		
8	094-2049	PIPE	1		
9	095-0503	BOLT	4		
10	093-0629	CONNECTOR	5		
11	094-2048	PIPE	1		
12	094-2047	PIPE	1		
13	093-0631	90degrees ELBOW	3		
14	095-0948	NIPPLE, GREASE	5		
15	093-0630	CONNECTOR	6		
17	E7563-2500	PIPE	1		

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